U.S. Pat. Appl. Ser. No. 10/553,112 Attorney Docket No. 10191/4153 Reply to Office Action of April 10, 2008

## **AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **LISTING OF CLAIMS:**

- 1-11. (Canceled).
- 12. (Previously Presented) A method for a rollover stabilization of a vehicle in a critical driving situation, comprising:

measuring different driving-condition variables by a sensor system;

causing an actuator to intervene with a rollover-stabilization algorithm in a vehicle operation in a situation critical to rollover, in order to stabilize the vehicle; and

estimating information from a relationship between a steering variable and a roll variable, the information relating to a rollover tendency of the vehicle and being taken into account in a scope of the rollover stabilization.

- 13. (Previously Presented) The method as recited in Claim 12, further comprising: ascertaining one of an indicator variable and one of a characteristic property and a variable of the rollover stabilization as a function of the rollover tendency, wherein:
  - a stabilization action is one of enabled and deactivated in accordance with the indicator variable.
- 14. (Currently Amended) The method as recited in Claim 12, wherein the steering variable includes one of a steering angle and a steering speed.
- 15. (Currently Amended) The method as recited in Claim 12, wherein the roll variable includes one of contact patch forces of wheels, a compression travel, a vertical acceleration, a roll angle, and a roll rate.
- 16. (Currently Amended) The method as recited in Claim 12, further comprising: changing, as a function of the rollover tendency, one of a control threshold of the rollover-stabilization algorithm, a control deviation, and a controlled variable of the rollover-stabilization algorithm.

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- 17. (Previously Presented) The method as recited in Claim 12, further comprising: ascertaining, from the steering variable and the roll variable, a rollover indicator indicating the rollover tendency of the vehicle.
- 18. (Previously Presented) The method as recited in Claim 17, wherein the rollover indicator is determined by a fuzzy-information processing unit.
- 19. (Previously Presented) The method as recited in Claim 18, further comprising: weighting the rollover indicator by a weighting function indicating a quality of an estimation of the rollover indicator.
- 20. (Withdrawn) A vehicle-dynamics control system for a rollover stabilization of a vehicle in a critical driving situation, comprising:
  - a control unit for storing a rollover-stabilization algorithm;
  - a sensor system for measuring current, actual values of the control system;

an actuator for executing a stabilization action, wherein:

the sensor system ascertains a roll variable and a steering variable; and a device for estimating a rollover tendency of the vehicle from the steering variable and the roll variable, the rollover tendency being taken into account in a scope of the rollover stabilization.

- 21. (Withdrawn) The vehicle-dynamics control system as recited in Claim 20, wherein the control unit ascertains one of an indicator variable, with the aid of which a stabilization action is one of enabled and deactivated, a characteristic property, and a variable of the rollover-stabilization algorithm, as a function of the rollover tendency.
- 22. (Withdrawn) The vehicle-dynamics control system as recited in Claim 20, wherein the sensor system includes a roll-rate sensor for ascertaining the roll variable.
- 23. (Withdrawn New) The method as recited in Claim 12, wherein the steering variable includes a steering speed.
- 24. (Withdrawn New) The method as recited in Claim 12, wherein the roll variable includes one of contact patch forces of wheels, a compression travel, a vertical acceleration, and a roll angle.

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25. (Withdrawn - New) The method as recited in Claim 12, further comprising: changing, as a function of the rollover tendency, one of a control deviation and a controlled variable of the rollover-stabilization algorithm.

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